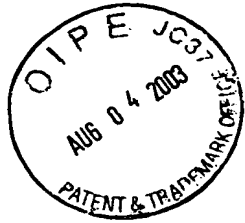


Application Number: 09/331,008  
Title: Electronic zoom image input method  
Inventor: Eriko Shimizu  
Art Unit: 2615

Claims Sheet 1/2

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12-1-03



## Amended Claims

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### What is claimed is;

#### Claim 7 (amended)

An electronic zoom image input method that enables zooming without degrading the resolution, by including the fixed focus input image optical system having a function of compressing the circumferential part of the input image, the image input device providing preferably uniform pixel density, and zoom image converting and correcting system.

#### Claim 8 (new)

An electronic zoom image input method that enables zooming without degrading the resolution, by including the fixed focus input image optical system having a function of compressing the circumferential part of the input image in logarithmic function, and zoom image converting and correcting system.

#### Claim 9 (amended)

An electronic zoom image input method claimed in claim 7, that has the optical system where the compression of the circumferential part of the input image is limited to the vertical and horizontal direction.

#### Claim 10 (amended)

An electronic zoom image input method claimed in claim 7, that has a image input device with a rectangular input image plane, and an optical system with the function of compressing the circumferential part of the input image to all direction, and the neighboring part of the vertical and horizontal axes of the input image.

#### Claim 11 (amended)

An electronic zoom image input method claimed in Claim 7, or claim 8, or claim 9, or claim 10, where the optical system that compresses the circumferential part of the input image is included as the attachment optical system.

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**Claim 12 (amended)**

An electronic zoom image input method claimed in claim 7, or claim 8, or claim 9, or claim 10, that is capable to change the zooming range, having attachment conversion lenses to change the focal length of the image input optical system.

**Claim 13 (amended)**

A 3D image input method whose right and left image input optical systems are organized by fixed focus input image optical systems of the electronic zoom image input method claimed in claim 7, or claim 8, or claim 9, or claim 10.

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Claims Detail 1/2

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Details of claim amendments

What is claimed is;

Claim 7 [Claim 1], (amended)

An electronic zoom image input method that enables zooming without degrading the resolution, by including the fixed focus input image optical system having a function of compressing the circumferential part of the input image, the image input device providing preferably uniform pixel density [pixel], and zoom image converting and correcting system.

Claim 8 [Claim 1], (new from claim 1)

An electronic zoom image input method that enables zooming without degrading the resolution, by including the fixed focus input image optical system having a function of compressing the circumferential part of the input image in logarithmic function, [the image input device providing preferably uniform density pixel], and zoom image converting and correcting system.

Claim 9 [Claim 3], (amended)

An electronic zoom image input method claimed in claim 7, [claim 1, or claim 2] that has the optical system where the compression of the circumferential part of the input image is limited to the vertical and horizontal direction.

Claim 10 [Claim 4], (amended)

An electronic zoom image input method claimed in claim 7, [claim 1, or claim 2,] that has a image input device with a rectangular input image plane, and an optical system with the function of compressing the circumferential part of the input image to all direction, and the neighboring part of the vertical and horizontal axes of the input image.

Claim 11 [Claim 2], (amended)

An electronic zoom image input method claimed in claim 7, [Claim 1,] or claim 8, or claim 9, or claim 10, where the optical system that compresses the circumferential part of the input image is included as the attachment optical system.



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Claim 11 [Claim 5], (amended)

An electronic zoom image input method claimed in claim 7, or claim 8, or claim 9, or claim 10, [claim 1, or claim 2, or claim 3, or claim 4,] that is capable to change the zooming range, having attachment conversion lenses [an attachment optical system] to change the focal length of the image input optical system.

Claim 13 [Claim 6], (amended)

A 3D image input method whose right and left image input optical systems are organized by fixed focus input image optical systems of the electronic zoom image input method claimed in claim 7, or claim 8, or claim 9, or claim 10 [any from claim 1, or claim 3 or claim 4 to claim 5].